

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



International Patent Application of:

Shunsaku IMAI et al.

Serial No.: 09/785,269

Group Art Unit: 1631

Confirmation No. 2896

Filed: February 20, 2001

Examiner: John S. Brusca

For: METHOD AND APPARATUS FOR AUTOMATICALLY REMOVING VECTOR UNIT IN DNA  
BASE SEQUENCE

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JUN 23 2003

TECH CENTER 1600/2900

**SUBMISSION OF SEQUENCE LISTING**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Attached are paper and computer readable copies of a "Sequence Listing."

I hereby state that the "Sequence Listing" content of the attached paper copy and the computer readable copy are the same, i.e., the sequence listing information recorded in computer readable form is identical to the written sequence listing attached hereto, and the written sequence listing attached to the May 9, 2003 Response.

I hereby state that this submission includes no new matter.

Respectfully submitted,

Date: 6/19/03

A handwritten signature in black ink, appearing to read "William F. Herbert".

William F. Herbert  
Registration No. 31,024

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Washington, D.C. 20001  
(202) 434-1500

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JUN 23 2003



## SEQUENCE LISTING

TECH CENTER 1600/2900

<110> Imai, Kensaku  
Kitajima, Masato

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